

**ASSISTANT CHIEF FIRE APPARATUS TECHNICIAN
STUDY GUIDE**

A written examination for the class of **ASSISTANT CHIEF FIRE APPARATUS TECHNICIAN** to be administered in **BATON ROUGE** on **SEPTEMBER 3, 2009**, will consist of approximately 105 multiple-choice questions. The examination will test your knowledge in the following subject areas:

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
BRAKE AND SUSPENSION SYSTEMS Knowledge of brake and suspension systems sufficient to perform maintenance, make repairs, or adjust the systems when needed.	10.5%
COOLING SYSTEMS Knowledge of cooling systems sufficient to perform maintenance and repair when needed.	4.8%
DRIVE TRAIN / FUEL / ELECTRICAL AND LUBRICATING SYSTEMS Knowledge of drive train, fuel, electrical, and lubricating systems sufficient to perform maintenance, repairs or adjustments to the system when needed.	21.0%
ENGINE MECHANICS Knowledge of gasoline and diesel engines sufficient to perform diagnosis of mechanical problems and to perform maintenance and repair.	10.5%
GENERAL AUTOMOTIVE MAINTENANCE / REPAIRS / INSTRUMENTS AND TOOLS Knowledge of general automotive equipment sufficient to troubleshoot, diagnose, and repair malfunctioning components, including the use and care of instruments and tools.	16.2%
MAINTENANCE & REPAIR OF APPARATUS FIXTURES, PORTABLE EQUIPMENT AND SMALL POWER TOOLS Knowledge of fire apparatus sufficient to perform maintenance and repairs to apparatus fixtures, hydraulic equipment, portable equipment, and small power tools.	16.2%

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
RECORDS / REPORTS Knowledge of effective records-keeping practices, including preparation and content; and knowledge of effective report preparation procedures, including the compilation and organization of data into an effective written format for reports.	10.5%
SUPERVISION Knowledge of the practices and techniques used in effective supervision in order to plan, organize, and assign the work of subordinates.	10.5%

REFERENCE LIST

While the entire list of reference material will be useful to you in your preparation for the upcoming examination, the **majority** of test questions are sourced from those references listed under the Primary List.

PRIMARY REFERENCE MATERIAL

MODERN AUTOMOTIVE TECHNOLOGY, James E. Duffy, The Goodheart-Willcox Co., Inc., 2004.

EFFECTIVE SUPERVISORY PRACTICES, International City Management Association (ICMA), 1120 G Street, N.W., Washington, D.C. 20005, 4th ed., 2005.

NOTE: Obtain through LSU Firemen Training Program or IFSTA Fire Protection Publications.

The local civil service board should make this study guide available to all applicants in whatever manner the board deems appropriate.

While there are no provisions requiring this office to provide study guides for any competitive or promotional examinations, such material will be provided as a service to assist applicants in preparing for an examination. The State Examiner's office has no control whatsoever over the local availability of reference material (mentioned in the study guides), nor do we feel constrained to limit examination questions to only that material which is available locally. Examination content, weighting of subject areas, and length of examination, may vary with each administration of an examination to reflect any updated job analysis information. Percentages and numerical estimations are provided as approximations.